

Message Text

UNCLASSIFIED

PAGE 01 BUCAR 04786 231551Z

46

ACTION EUR-12

INFO OCT-01 NEA-10 ISO-00 EB-07 /030 W
----- 082031

R 231335Z SEP 75
FM AMEMBASSY BUCHAREST
TO USDOC WASHDC
INFO SECSTATE WASHDC 4712
AMEMBASSY DAMASCU
AMEMBASSY VIENNA

UNCLAS BUCHAREST 4786

USDOC ALSO FOR BEWT/TDAD

E.O. 11652: N/A

TAGS: BTIO, RO

SUBJECT: TRADE OPPORTUNITY (SPECIAL HANDLING)- CENTRIFUGAL
AND RECIPROCATING COMPRESSOR

1. 485/01/P0002
2. 91675
- E. H. CLARKE
4. 485 ROMANIA
5. Y. GOVERNMENT FOREIGN TRADE ORGANIZATION
- 6A. REPLY TO --
- 6B. MR. REMUS IVAN
- 6C. INDUSTRIALEXPORT, STRADA CONSTANTIN MILLE 10,
BUCHAREST, ROMANIA
7. TELEX 011-407; TELEPHONE 13-22-60
8. --
9. 104
- 9A. BID REQUEST BY ROMANIAN FOREIGN TRADE ORGANIZATION
INDUSTRIALEXPORT
10. DESCRIPTION
3563141 HEAVY DUTY, HORIZONTAL, MULTI-IMPELLER, BARREL
TYPE, CENTRIFUGAL COMPRESSOR AND DRIVER FOR RECYCLING GAS.
PROCESS REQUIREMENTS: MMSCFD AT 14.7 PSIA AND 60 GRADE F-
87.0; CFM AT SUCTION CONDITIONS-1240; SUCTION TEMPERATURE
122 GRADE F; SUCTION PRESSURE, PSIA-801; DISCHARGE PRESSURE,
UNCLASSIFIED

UNCLASSIFIED

PAGE 02 BUCAR 04786 231551Z

PSIA-1031; COMPRESSION RATION-1,287; APPROXIMATE CP/CV

(AT SUCTION)-1.358; COMPRESSIBILITY FACTOR (AT SCUTION)-1.006; WEIGHT FLOW LB./MIN. -1180; ESTIMATED POLYTROPIC HEAD, FT. LB./LB.-35,200; ESTIMATED BHP REQUIRED -1845; GEAR LOSS -NONE. APPROXIMATE GAS COMPOSITION IN PRECENTS: WATER VAPOR 0.10; HYDROGEN SULFIDE 0.02; HYDROGEN 76.03; METHANE 14.67; ETHANE 5.70; PROPANE 2.19; I-BUTANE AND N-BUTANE 0.88; I-PENTANE AND N-PENTANE 0.27; HEXANES 0.15. CONSTRUCTION MATERIALS: CASING-STEEL; DIAPHRAGMS-CAST IRON; IMPELLER-AISI 4130 OR SIMILAR; SHAFT-FORGED STEEL; SHAFT SLEEVES-STAINLESS STEEL. VENDOR SHOULD RECOMMEND MATERIAL FOR THE LABYRINTHS AND BALANCING DRUM, COMPRESSOR SPEED, AND A LIST OF NECESSARY SPARE PARTS. THE SHUTDOWN SYSTEM OF THE COMPRESSOR SHALL BE OF THE REDUNDANT "VOTING" TYPE, NAMELY 3 SHUTDOWN DEVICES FOR EACH SERVICE. THE DEVICES ARE TO BE WIRED UP IN SUCH A WAY THAT THEY FORM 3 SEPARATE CIRCUITS MAINTAINING ONE OF EACH OF THE SHUTDOWN DEVICES AS WELL AS ITS OWN FUSE. A SOLID STATE LOGIC SYSTEM WILL MONITOR EACH CIRCUIT AND WHEN 2 OF THE CIRCUITS CALL FOR A SHUTDOWN, THE MACHINE WILL TRIP. THE COMPRESSOR SHOULD BE FITTED OUT WITH 2 STEAM TURBINES, ONE FOR THE MAIN COMPRESSOR DRIVER AND THE OTHER FOR THE OIL PUMP DRIVER. STEAM CONDITIONS ARE: AT THROTTLE (SYSTEM SAFETY VALVE SET PRESS)-22 PSIG, 445 GRADE F; NORMAL-185 PSIG, 428 GRADE F; MINIMUM-171 PSIG, 392 GRADE F. AT EXHAUST (TURBINE SAFETY VALVE SET PRESS)-78 PSIG; NORMAL-71 PSIG; MINIMUM-64 PSIG. DATE FOR THE TWO 3-PHASE, 50 CYCLE ELECTRIC MOTORS FOR THE OIL PUMP DRIVERS: (1) 380 VOLT 0.5-132 KW: (2) 6000 VOLT, 133 KW AND OVER. INDUSTRIALEXPORT EXPECTS CONCRETE OFFERS FOR THE COMPRESSOR FROM INTERESTED AMERICAN COMPANIES IN EARLY OCTOBER.

11. BACKGROUND; FTO INDUSTRIALEXPORT HAS SIGNED A CONTRACT WITH SYRIA TO BUILD A 6 MILLION TON PETROLEUM REFINERY IN BANIAS(NORTHERN SYRIA) UNDER AMERICAN UOP LICENSE. IN ADDITION TO EQUIPMENT AND MACHINERY MANUFACTURED IN ROMANIA, INDUSTRIALEXPORT WILL IMPORT COMPLEMENTARY MACHINERY INCLUDING COMPRESSORS, MIXERS, ELECTRIC HEATERS, FILTERS, DUST COLLECTORS, SEPARATORS, PURIFICATION UNITS AND AIR DRYERS. THE ESTIMATED VALUE OF THESE IMPORTS IS 30-40 MILLION DOLLARS. THE REFINERY IS SUPPOSED TO GO ON STREAM IN 1977. THE IMPORTS

UNCLASSIFIED

UNCLASSIFIED

PAGE 03 BUCAR 04786 231551Z

WILL BE MADE STARTING WITH THE FOURTH QUARTER OF 1975 UNTIL THE FIRST QUARTER OF 1977. THE ROMANIAN-SYRIAN CONTRACT ANTICIPATES THAT THE REFINERY WILL BE ENLARGED AFTER 1977, WHICH WOULD GIVE AMERICAN COMPANIES FURTHER SALE OPPORTUNITIES. BARNES

UNCLASSIFIED

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: n/a
Control Number: n/a
Copy: SINGLE
Draft Date: 23 SEP 1975
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Authority: n/a
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 JAN 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1975BUCHAR04786
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Film Number: D750329-0835
From: BUCHAREST
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1975/newtext/t19750923/aaaaaugm.tel
Line Count: 112
Locator: TEXT ON-LINE, ON MICROFILM
Office: ACTION EUR
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: n/a
Review Action: RELEASED, APPROVED
Review Authority: RowellE0
Review Comment: n/a
Review Content Flags:
Review Date: 14 MAR 2003
Review Event:
Review Exemptions: n/a
Review History: RELEASED <14 MAR 2003 by maustmc>; APPROVED <10 FEB 2004 by RowellE0>
Review Markings:

Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
06 JUL 2006

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: TRADE OPPORTUNITY (SPECIAL HANDLING)- CENTRIFUGAL AND RECIPROCATING COMPRESSOR
TAGS: BTIO, RO
To: COM
Type: TE
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 06 JUL 2006